AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

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1. (currently amended) A dose of multilayer synthetic resin for the realization of multilayer objects by compression molding,

said dose having an axis of symmetry and, before any compression molding, comprising a first synthetic resin and at least one thin functional layer of a different synthetic resin forming the outer shell of a body of revolution defined about said axis of symmetry, said body of revolution comprising two ends disposed in a direction parallel to the axis of symmetry, said functional layer being totally imprisoned in said first synthetic resin, and wherein the ends are at a distance of at least 50 microns from the surface of the dose.

2. (previously presented) The dose as claimed in claim 1, wherein the thin functional layer itself forms a multilayer structure comprising a layer of barrier resin imprisoned between two layers of adhesive resin.

3. (previously presented) The dose as claimed in claim 1, wherein both ends of the functional layer are open.

4. (previously presented) The dose as claimed in claim 1, wherein one of the two ends of the functional layer is open and the other end is closed.

5. (previously presented) The dose as claimed in claim 1, wherein both ends of the functional layer are closed.

6. (previously presented) A multilayer object obtained by compression molding from a dose as claimed in claim 1, said object containing an inner face and an outer

face, said inner face defining the inner part of a packaging, said object being formed of said first synthetic resin and said thin functional layer, said functional layer being imprisoned in the wall of said object and forming a fold, said object being wherein the functional layer is totally absent from said inner face.

7. (previously presented) A production method for doses such as defined in claim 1, comprising a step according to which the resins are coextruded so as to form a multilayer flow, said flow being periodically cut so as to form individual portions, said portions being transferred into a compression mold, wherein said portions are deformed in such a way as to cover over the ends of the functional layer with the first synthetic resin.

8. (previously presented) The method as claimed in claim 7, wherein said portions are deformed during the cutting.

9. (previously presented) The method as claimed in claim 7, wherein said portions are deformed during their transfer into the mold.

10. (previously presented) The method as claimed in claim 7, wherein said portions are deformed once they are in the mold.

11. (currently amended) A method for producing doses such as defined in claim 1, comprising a step in which the resins are coextruded in one and the same direction, wherein ~~it~~ the method comprises, in succession, a covering step in which solely said first resin is extruded, a coextrusion step, and a further covering step so as to totally imprison said functional layer.